

Estimated Heating Cost Comparisons

Updated Nov., 2007

For Southern Ohio

The estimates below help compare different fuels and different heating systems at relatively current rates.

The estimates are for an average home near 1800 square feet in size, in Southern Ohio.

It is important to realize that every home will cost a different amount to heat each winter.

Many typical homes will fall in an "average heating cost" range, but your home may be different.

The estimates are based on the costs per fuel listed, which were current on the date noted above.

All fuel costs change frequently and the costs shown below may not be accurate for any future date.

The actual cost to heat your home in any given winter will depend on the weather, your living habits, your home's insulation and air leakage, the condition of your heating equipment, sun and wind exposure, the home's design and other variables.

Southern Ohio, 2007 - 2008 Winter, Estimated Heating Cost Comparisons								
Fuel	Type heating system and efficiency	Current Cost per unit of fuel	Cost per million BTU	Any age home, no insulation, high air leakage	Old home, insulated, noticeable air leakage	Average, 30 to 60 yr old home, medium air leakage	Newer, sealed, affordable home built since 1970	Energy Star new home
Heating costs based on these Million BTU estimates per winter, for homes defined above →				163	81	63	57	43
LP Gas (Propane)	65% furnace	\$2.20/gallon	\$37.61	\$6,130	\$3,046	\$2,369	\$2,144	\$1,617
	80% furnace	\$2.20/gallon	\$30.56	\$4,981	\$2,475	\$1,925	\$1,742	\$1,314
	90% furnace	\$2.20/gallon	\$27.16	\$4,427	\$2,200	\$1,711	\$1,548	\$1,168
Fuel Oil	60% furnace	\$3.20/gallon	\$38.10	\$6,210	\$3,086	\$2,400	\$2,171	\$1,638
	70% furnace	\$3.20/gallon	\$32.65	\$5,322	\$2,645	\$2,057	\$1,861	\$1,404
	85% furnace	\$3.20/gallon	\$26.89	\$4,383	\$2,178	\$1,694	\$1,533	\$1,156
Natural Gas	60% furnace	\$1.15/CCF (therm)	\$19.17	\$3,124	\$1,553	\$1,208	\$1,093	\$824
	80% furnace	\$1.15/CCF (therm)	\$14.38	\$2,343	\$1,164	\$906	\$819	\$618
	90% furnace	\$1.15/CCF (therm)	\$12.78	\$2,083	\$1,035	\$805	\$728	\$549
Electric: Duke Energy in Ohio	10 -15 yr heat pump	\$0.067/kWh	\$10.91	\$1,778	\$883	\$687	\$622	\$469
	5-10 yr old heat pump	\$0.067/kWh	\$9.82	\$1,600	\$795	\$618	\$559	\$422
	14 SEER heat pump	\$0.067/kWh	\$8.18	\$1,333	\$663	\$515	\$466	\$352
	Geothermal Heat pump	\$0.067/kWh	\$6.13	\$1,000	\$497	\$386	\$350	\$264

Note: Fuel costs for Natural Gas and Electricity assume heating usage is all in the lowest rate step.

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